



021904

15992 U.S. PTO

Attorney Docket No.: SAM-0483
PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICEMail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450NEW APPLICATION TRANSMITTAL22264 U.S. PTO
10/782094
021904

Transmitted herewith for filing is the patent application of

Inventor(s): Jae-eun Park
Kang-soo Chu
Joo-won Lee
Jong-ho YangFor (title): METHOD FOR FORMING SILICON
DIOXIDE FILM USING SILOXANE1. **Type of Application** This new application is for
a(n)

- ☐ Original (nonprovisional)
- ☐ Design
- ☐ Plant
- ☐ Divisional.
- ☐ Continuation.
- ☒ Continuation-in-part (C-I-P).

2. **Benefit of Prior Application(s)**

- ☒ The new application being transmitted is a continuation-in-part of U.S. Patent Application No. 10/459,943, filed June 12, 2003, and claims the benefit of prior Korean application nos. 03-12324, filed February 27, 2003 and 04-7104, filed February 4, 2004. See Item 7.

3. **Papers Enclosed**

12 Pages of specification

8 Pages of claims

1 Page of Abstract

6 Sheets of drawings

☒ formal

☐ informal

 Page of Cover Sheet

- ☐ The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. 1.84(b).

CERTIFICATE OF MAILING
37 C.F.R. § 1.10**"Express Mail"** Mailing Label Number **EV322657361US**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: 2/19/04Kevin BiehlKevin Biehl

Print Name

4. Additional papers enclosed

- ☒ Preliminary Amendment
- ☐ Information Disclosure Statement (37 C.F.R. 1.98)
- ☐ Form PTO-1449 (PTO/SB/08A and 08B)
- ☐ Copies of cited references
- ☐ Declaration of Biological Deposit
- ☐ Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
- ☐ Authorization of Attorney(s) to Accept and Follow Instructions from Representative
- ☐ Special Comments
- ☒ Other: Return Postcard.

5. Declaration or oath

- ☒ Enclosed
 - ☐ Unexecuted
 - ☒ Executed by
 - ☒ inventors
 - ☐ legal representative of inventor(s).
37 CFR 1.42 or 1.43.
 - ☐ joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.
 - ☐ This is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. See item 12 below for fee.
- ☐ Not Enclosed
- ☐ Application is made by a person authorized under 37 C.F.R. 1.41 (c) on behalf of all the above named inventor(s).
 - ☐ Showing that the filing is authorized.

6. Assignment

- ☒ An assignment of the invention to Samsung Electronics Co., Ltd.
 - ☒ is attached. A separate ☐ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or ☒ FORM PTO 1595 is also attached.
 - ☐ will follow.

7. **Certified Copy**

Certified copy(ies) of application(s)

| | | |
|----------------|-------------------|--------------------------|
| <u>Korea</u> | <u>03-12324</u> | <u>February 27, 2003</u> |
| Country | Appln. no. | Filed |
| <u>Korea</u> | <u>04-7104</u> | <u>February 4, 2004</u> |
| Country | Appln. no. | Filed |
| <u>Country</u> | <u>Appln. no.</u> | <u>Filed</u> |

from which priority is claimed

☒ is (are) attached.

☐ will follow.

8. **Fee Calculation (37 C.F.R. 1.16)**

| CLAIMS AS FILED | | | | |
|---|--------------|--------|--------------|---|
| | Number filed | | Number Extra | Rate |
| | | | | Basic Fee 37 C.F.R. 1.16(a) <u>\$770.00</u> |
| Total | | | | |
| Claims (37 CFR 1.16(c)) | 54 | - 20 = | 34 | \$ 18.00 |
| Independent | | | | |
| Claims (37 CFR 1.16(b)) | 3 | - 3 = | 0 | \$ 86.00 |
| Multiple dependent claim(s), if any (37 CFR 1.16(d)) | | | + | \$290.00 |

☒ A Preliminary Amendment canceling claims is enclosed. The filing fee is calculated based on the number of claims remaining after entry of the Preliminary Amendment.

☐ Amendment deleting multiple-dependencies is enclosed.

☐ Fee for extra claims is not being paid at this time.

Filing Fee Calculation \$1,382.00

9. Fee Payment Being Made at This Time

☐ Not Enclosed

☐ No filing fee is to be paid at this time.

(This and the surcharge required by 37 C.F.R. 1.16(e) can be paid subsequently.)

☒ Enclosed

☒ Basic filing fee \$ 1,382.00

☒ Recording assignment

(\$40.00; 37 C.F.R. 1.21(h))

(See attached "COVER SHEET FOR ASSIGNMENT
ACCOMPANYING NEW APPLICATION".)

\$ 40.00

Total fees enclosed

\$ 1,422.00

10. Method of Payment of Fees

☒ Checks in the amounts of \$ 1,382.00 and \$ 40.00

☐ Charge Account No. 50-1798 in the amount of \$ _____
A duplicate of this transmittal is attached.

11. Authorization to Charge Additional Fees

☒ The Commissioner is hereby authorized to charge the following additional fees during the entire pendency of this application to Account No. 50-1798.

☒ 37 C.F.R. 1.16(a), (f) or (g) (filing fees)

☒ 37 C.F.R. 1.16(b), (c) and (d) (presentation of extra claims)

☐ 37 C.F.R. 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)

☐ 37 C.F.R. 1.17 (application processing fees)

☐ 37 C.F.R. 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. 1.311(b))

12. Instructions as to Overpayment

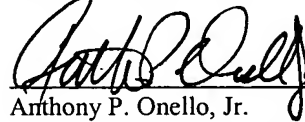
☒ Credit Account No. 50-1798

☐ Refund

Date:

February 19, 2004
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Respectfully submitted,



Anthony P. Onello, Jr.
Registration Number 38,572
Attorney for Applicant

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Jae-eun Park, *et al.*
Filing Date: Herewith
Title: METHOD FOR FORMING SILICON DIOXIDE FILM USING SILOXANE

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10

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2/19/04

Date

Kevin Biehl
Kevin Biehl

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Sir:

Enclosed herewith for filing in the above-identified patent application please find the following listed items:

1. New Application Transmittal;
2. New Continuation-in-Part (CIP) Patent Application;
3. Six (6) Sheets of Formal Drawings (Figures 1-9);
4. Executed Declaration, Petition and Power of Attorney;
5. Preliminary Amendment;
6. Certified Copies of Priority Documents - Korean Application Nos. 03-12324 and 04-7104;
7. Check in the amount of \$1,382.00 to cover application filing fee;
8. Assignment Recordation Form Cover Sheet - - PTO-1595;
9. Executed Assignment;
10. Check in the amount of \$40.00 to cover Assignment Recordation fee; and
11. Return Postcard.

In connection with the foregoing matter, please charge any additional fees which may be due, or credit any overpayment, to Deposit Account Number 50-1798. A duplicate copy of this letter is provided for this purpose.

Respectfully submitted,

Date: February 19, 2004
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